

TENT HAVING A CURTAIN UNIT

BACKGROUND OF THE INVENTION

1. Field of the Invention

5 The invention relates to a tent, more particularly to a tent with a curtain unit.

2. Description of the Related Art

Referring to Figure 1, a first conventional tent is shown to comprise a frame 7 and a canvas 70 mounted on the frame 7. The frame 7 includes a plurality of spaced-apart upright posts 71 mounted on the ground, and a plurality of link posts 72 interconnecting each adjacent pair of the upright posts 71. The frame 7 and the canvas 70 define an entrance 74. However, the first conventional tent is not provided with a curtain unit for covering the entrance 74.

Referring to Figure 2, a second conventional tent is shown to be substantially similar to the first conventional tent. However, the second conventional tent further includes, aside from the frame 7 and the canvas 70, a horizontal rod 8 and two curtains 9. The horizontal rod 8 is mounted between top ends of an outermost adjacent pair of the posts 71. The curtains 9 are connected fixedly to the horizontal rod 8 and are used to cover the entrance 74.

25 However, since the curtains 9 are connected fixedly to the horizontal rod 8, they cannot be pulled completely toward the sides of the respective outermost upright

posts 71, such that when a vehicle or an object carried by a person passes through the entrance 74, the vehicle or the object may get caught by a portion of the curtains 9, thereby resulting in damage to the curtains 9 or even possible collapse of the frame 7.

SUMMARY OF THE INVENTION

Therefore, the object of the present invention is to provide a tent with a curtain unit that is capable of overcoming the aforementioned drawbacks of the prior art.

According to this invention, a tent comprises a frame structure, a covering fabric mounted on the frame structure, a curtain rod mounted on the frame structure, a curtain unit, and a hanging device disposed movably on the curtain rod for hanging the curtain unit on the curtain rod.

BRIEF DESCRIPTION OF THE DRAWINGS

Other features and advantages of the present invention will become apparent in the following detailed description of the preferred embodiments with reference to the accompanying drawings, of which:

Figure 1 is a perspective view of a first conventional tent;

Figure 2 is a perspective view of a second conventional tent;

Figure 3 is a perspective view of the first preferred embodiment of a tent according to the present invention;

Figure 4 is a view similar to Figure 3, but with a curtain unit drawn to an uncovering state;

Figure 5 is a fragmentary perspective view, illustrating the curtain unit mounted on a curtain rod through a hanging device;

Figure 6 is a fragmentary partly exploded perspective view, illustrating how the curtain rod is connected to a mounting unit;

Figure 7 is a fragmentary partly exploded perspective view of the second preferred embodiment of a tent according to the present invention, illustrating how a curtain rod is connected to a mounting unit;

Figure 8 is a fragmentary partly exploded perspective view of the second preferred embodiment, illustrating how a hanging device is positioned on the curtain rod;

Figure 9 is an enlarged sectional view of a hanging device of Figure 8 in an unlocked position;

Figure 10 is a view substantially similar to Figure 9, but with the hanging device in a locked position; and

Figure 11 is a perspective view of the second preferred embodiment, illustrating two curtains of a curtain unit.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Before the present invention is described in greater detail, it should be noted that like elements are denoted by the same reference numerals throughout the

disclosure.

Referring to Figures 3 to 6, the first preferred embodiment of a tent according to the present invention is shown to comprise a frame structure 1, a covering
5 fabric 2, a curtain rod 3, a curtain unit 4, a hanging device 5, and a mounting unit 6.

The frame structure 1 includes a plurality of spaced-apart upright posts 11 mounted on the ground, and a plurality of link posts 12 interconnecting each
10 adjacent pair of the upright posts 11. Because the feature of the present invention does not reside in the assembly of the upright posts 11 and the link posts 12, a detailed description of the same will be dispensed herewith for the sake of brevity.

15 The covering fabric 2 is mounted on the frame structure 1, and cooperates with the same to define an entrance 14.

The curtain rod 3 is mounted on the frame structure 1, and has two opposite ends 31 provided respectively
20 with lateral flanges 311.

The curtain unit 4 is mounted on the curtain rod 3, and includes a one-piece curtain 41 that can be pulled completely toward one of the upright posts 11 so as to uncover the entrance 14.

25 The hanging device 5 (see Figures 5 and 6) is disposed movably on the curtain rod 3 for hanging the curtain 41 on the curtain rod 3, and includes a plurality of

spaced-apart loops 51 connected to the curtain 41 and sleeved on the curtain rod 3. Each of the loops 51 is formed from a canvas strap which has two opposite ends 511 connected respectively and fixedly to two opposite
5 faces of the curtain 41. Two reinforcing pieces 42 are sewn respectively on the opposite ends 511 of each loop 51 so that the curtain 41 can be hung more securely on the curtain rod 3.

The mounting unit 6 is connected to the frame
10 structure 1, and permits the opposite ends 31 of the curtain rod 3 to be positioned respectively on two of the upright posts 11. Specifically, the mounting unit 6, as shown in Figure 6, includes two U-shaped slide grooves 62 connected respectively to top ends of two
15 of the upright posts 11 at two sides of the entrance 14 for receiving respectively and removably the flanges 311 of the curtain rod 3.

Referring to Figures 7 to 10, the second preferred embodiment of a tent according to the present invention
20 is shown to be substantially similar to the first preferred embodiment. However, in this embodiment, a top end of the curtain 41' of a curtain unit 4' is formed with a plurality of spaced-apart through holes 43 for connection with a hanging device 5'. The curtain unit
25 4' further includes a plurality of metal rings 44 respectively connected to peripheral edges defining the through holes 43 so as to prevent deformation and tearing

of the curtain unit 4' during drawing of the same. A plurality of reinforcing members 45 are connected respectively to and surround the metal rings 44 so as to strengthen the curtain 41'.

5 The curtain rod 3', in this embodiment, is hollow, and has a peripheral wall 32' formed with an axially extending channel 33 on a bottom portion thereof.

 The hanging device 5', in this embodiment, includes a plurality of hanging elements 52, each of which has
10 a head portion 53 and a one-piece fastener 54. The head portion 53 is mounted within the peripheral wall 32' in an axially slidable manner, and has a hollow circular member 531 (see Figure 8), and a cross bar 532 (see Figure 8) extending across the circular member 531. The fastener
15 54 is connected to the head portion 53, and includes a hook section 541 (see Figure 9) and a ring section 542 (see Figure 9). The hook section 541 is hooked to the cross bar 532 of the head portion 53, and has a first engaging end 5411 (see Figure 9). The ring section 542
20 is connected integrally to the hook section 541, extends downwardly and outwardly through the channel 33 so as to pass through a respective one of the through holes 43 in the curtain unit 4', and has a second engaging end 5421 (see Figure 9). The first and second engaging
25 ends 5421, 5422 can engage each other to form a closed loop (see Figure 10) so as to mount the curtain 41' on the curtain rod 3', and can be disengaged from each other

to form an open loop (see Figure 9) so as to permit removal of the curtain 41' from the curtain rod 3'. Because of the weight of the curtain 41', the hook section 541 of the fastener 54 of each hanging element 52 is pulled
5 downwardly by the curtain 41' so as to abut against the cross bar 532 of the respective head portion 53 (see Figure 10).

Alternatively, the curtain unit 4' may include two curtains 41' mounted movably on the curtain rod 3', as
10 shown in Figure 11. When the curtains 41' are pulled apart and moved toward the respective upright posts 11, the entrance 14 is opened, and a strap (not shown) may be used to position each curtain 41' on the respective post 11.

15 The hanging device 5' can further include a rope unit (not shown) for pulling the curtain unit 4' to covering and uncovering states. Because the rope unit is substantially similar to that used in an ordinary curtain, a detailed description of the same will be dispensed
20 herewith for the sake of brevity.

By incorporating the hanging device 5, 5' in the tent of the present invention, the curtain unit 4, 4' can be easily slid along the curtain rod 3, 3' so that the entrance 14 can be revealed or closed as desired.
25 Furthermore, since the curtain rod 3, 3' is positioned detachably on the mounting unit 6, the curtain unit 4, 4' can be removed from the frame structure 1 for

replacement purposes.

While the present invention has been described in connection with what is considered the most practical and preferred embodiments, it is understood that this invention is not limited to the disclosed embodiments
5 but is intended to cover various arrangements included within the spirit and scope of the broadest interpretation so as to encompass all such modifications and equivalent arrangements.